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List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Deformation behaviors and cyclic strength assessment of AZ31B magnesium alloy based on steady ratcheting effect. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 723, 212-220.	5.6	292
2	The effect of annealing on the interface microstructure and mechanical characteristics of AZ31B/AA6061 composite plates fabricated by explosive welding. <i>Materials & Design</i> , 2015, 65, 1100-1109.	5.1	131
3	FeS ₂ nanoparticles embedded in N/S co-doped porous carbon fibers as anode for sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 380, 122455.	12.7	129
4	Microstructure evolution and mechanical properties of an AA6061/AZ31B alloy plate fabricated by explosive welding. <i>Journal of Alloys and Compounds</i> , 2018, 735, 1759-1768.	5.5	96
5	A Near-Infrared Light-Triggered Nanocarrier with Reversible DNA Valves for Intracellular Controlled Release. <i>Advanced Functional Materials</i> , 2013, 23, 2255-2262.	14.9	91
6	Treatment of pharmaceutical wastewater using interior micro-electrolysis/Fenton oxidation-coagulation and biological degradation. <i>Chemosphere</i> , 2016, 152, 23-30.	8.2	88
7	A multiproxy analysis of sedimentary organic carbon in the Changjiang Estuary and adjacent shelf. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1407-1429.	3.0	74
8	Shikonin induces apoptosis and prosurvival autophagy in human melanoma A375 cells via ROS-mediated ER stress and p38 pathways. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 626-635.	2.8	72
9	A prostate cancer-targeted polyarginine-disulfide linked PEI nanocarrier for delivery of microRNA. <i>Cancer Letters</i> , 2015, 365, 156-165.	7.2	68
10	Retarding Ostwald ripening through Gibbs adsorption and interfacial complexions leads to high-performance SnTe thermoelectrics. <i>Energy and Environmental Science</i> , 2021, 14, 5469-5479.	30.8	67
11	A Novel Nonenzymatic Hydrogen Peroxide Sensor Based on a Polypyrrole Nanowire-Copper Nanocomposite Modified Gold Electrode. <i>Sensors</i> , 2008, 8, 5141-5152.	3.8	63
12	Efficient and Exponential Rolling Circle Amplification Molecular Network Leads to Ultrasensitive and Label-Free Detection of MicroRNA. <i>Analytical Chemistry</i> , 2020, 92, 2074-2079.	6.5	52
13	CD/AuNPs/MWCNTs based electrochemical sensor for quercetin dual-signal detection. <i>Biosensors and Bioelectronics</i> , 2016, 77, 638-643.	10.1	50
14	Metal-Organic Framework-Derived Sea-Cucumber-like FeS ₂ @C Nanorods with Outstanding Pseudocapacitive Na-Ion Storage Properties. <i>ACS Applied Energy Materials</i> , 2018, 1, 6234-6241.	5.1	47
15	Microstructure, mechanical, corrosion properties and cytotoxicity of beta-calcium polyphosphate reinforced ZK61 magnesium alloy composite by spark plasma sintering. <i>Materials Science and Engineering C</i> , 2019, 99, 1035-1047.	7.3	45
16	Russian-Doll-Like Molecular Cubes. <i>Journal of the American Chemical Society</i> , 2021, 143, 2537-2544.	18.7	44
17	Direct electrocatalytic reduction of hydrogen peroxide at a glassy carbon electrode modified with polypyrrole nanowires and platinum hollow nanospheres. <i>Mikrochimica Acta</i> , 2010, 171, 125-131.	5.0	43
18	HAF drives the switch of HIF-1 ^{hi} to HIF-2 ^{hi} by activating the NF- κ B pathway, leading to malignant behavior of T24 bladder cancer cells. <i>International Journal of Oncology</i> , 2014, 44, 393-402.	3.3	35

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19	Alantolactone induces apoptosis through ROS-mediated AKT pathway and inhibition of PINK1-mediated mitophagy in human HepG2 cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 1961-1970.	2.8	32
20	Surface modification of aluminum alloy by incorporation of AlCoCrFeNi high entropy alloy particles via underwater friction stir processing. <i>Surface and Coatings Technology</i> , 2020, 385, 125438.	4.8	28
21	Therapeutic Delivery of miR-29b Enhances Radiosensitivity in Cervical Cancer. <i>Molecular Therapy</i> , 2019, 27, 1183-1194.	8.2	27
22	Densification of pure magnesium by spark plasma sintering-discussion of sintering mechanism. <i>Advanced Powder Technology</i> , 2019, 30, 2649-2658.	4.1	25
23	Distributed Real-time State Estimation for Combined Heat and Power Systems. <i>Journal of Modern Power Systems and Clean Energy</i> , 2021, 9, 316-327.	5.4	25
24	Historical reconstruction of organic carbon inputs to the East China Sea inner shelf: Implications for anthropogenic activities and regional climate variability. <i>Holocene</i> , 2015, 25, 1869-1881.	1.7	24
25	Microstructure and mechanical properties of Ni-Cr-Si-B-Fe composite coating fabricated through laser additive manufacturing. <i>Journal of Alloys and Compounds</i> , 2018, 747, 401-407.	5.5	22
26	Reversal of prolonged obesity-associated cerebrovascular dysfunction by inhibiting microglial Tak1. <i>Nature Neuroscience</i> , 2020, 23, 832-841.	14.8	22
27	Reactive Dyeing of Cationized Cotton Fabric: The Effect of Cationization Level. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12355-12364.	6.7	21
28	A simple approach for glutathione functionalized persistent luminescence nanoparticles as versatile platforms for multiple <i>in vivo</i> applications. <i>Chemical Communications</i> , 2018, 54, 3504-3507.	4.1	18
29	Interfacial characteristics and nano-mechanical properties of dissimilar 304 austenitic stainless steel/AZ31B Mg alloy welding joint. <i>Journal of Manufacturing Processes</i> , 2019, 42, 257-265.	5.9	18
30	Shielding composites for neutron and gamma-radiation with Gd ₂ O ₃ @W core-shell structured particles. <i>Materials Letters</i> , 2020, 276, 128082.	2.6	18
31	FeS ₂ @TiO ₂ nanorods as high-performance anode for sodium ion battery. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 2699-2706.	3.5	17
32	Numerical study on the interfacial behavior of Mg/Al plate in explosive/impact welding. <i>Science and Engineering of Composite Materials</i> , 2017, 24, 581-590.	1.4	16
33	Influence of hot rolling on the interface microstructure and mechanical properties of explosive welded Mg/Al composite plates. <i>Journal of Materials Research</i> , 2017, 32, 863-873.	2.6	15
34	Diffusion bonding of Ti/Ni under the influence of an electric current: mechanism and bond structure. <i>Journal of Materials Science</i> , 2017, 52, 3535-3544.	3.7	15
35	Preparation, Morphology and Properties of Electrospun Lauric Acid/PET Form-Stable Phase Change Ultrafine Composite Fibres. <i>Polymers and Polymer Composites</i> , 2011, 19, 773-780.	1.9	14
36	Interfacial microstructure evolution and deformation mechanism in an explosively welded Al/Mg alloy plate. <i>Journal of Materials Science</i> , 2019, 54, 9155-9167.	3.7	14

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37	Low-cost and advanced symmetry supercapacitors based on three-dimensional tea waste of porous carbon nanosheets. <i>Materials Technology</i> , 2021, 36, 1-10.	3.0	13
38	One-step microwave-assisted solvothermal nano-manufacturing of Ni ₂ P nanosphere as high-performance supercapacitors. <i>Ionics</i> , 2021, 27, 801-810.	2.4	13
39	Polymerization nicking-triggered LAMP cascades enable exceptional signal amplification for aptamer-based label-free detection of trace proteins in human serum. <i>Analytica Chimica Acta</i> , 2020, 1098, 164-169.	5.4	12
40	High-performance p-type elemental Te thermoelectric materials enabled by the synergy of carrier tuning and phonon engineering. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12156-12168.	10.3	12
41	Effect of AgNP distribution on the cotton fiber on the durability of antibacterial cotton fabrics. <i>Cellulose</i> , 2021, 28, 9489-9504.	4.9	12
42	Preparation of Mg/Nano-CHA Composites by Spark Plasma Sintering Method and Evaluation of Different Milling Time Effects on Their Microhardness, Corrosion Resistance, and Biocompatibility. <i>Advanced Engineering Materials</i> , 2017, 19, 1600294.	3.5	11
43	Ultrasonic effect mechanism on transient liquid phase bonding joints of SiCp reinforced Mg metal matrix composites using Zn-Al-Zn multi-interlayer. <i>Ultrasonics Sonochemistry</i> , 2018, 43, 101-109.	8.2	11
44	FeS ₂ @C nanorods embedded in three-dimensional graphene as high-performance anode for sodium-ion batteries. <i>Frontiers of Materials Science</i> , 2020, 14, 255-265.	2.2	11
45	Numerical study of Ti/Al/Mg three-layer plates on the interface behavior in explosive welding. <i>Science and Engineering of Composite Materials</i> , 2017, 24, 833-843.	1.4	10
46	Ratcheting Strain and Microstructure Evolution of AZ31B Magnesium Alloy under a Tensile-Tensile Cyclic Loading. <i>Materials</i> , 2018, 11, 513.	2.9	10
47	Interface characteristics of high-entropy alloy/Al-Mg composites by underwater friction stir processing. <i>Materials Letters</i> , 2020, 275, 128200.	2.6	10
48	Charge compensation weakening ionized impurity scattering and assessing the minority carrier contribution to the Seebeck coefficient in Pb-doped Mg ₃ Sb ₂ compounds. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 7012-7020.	2.8	10
49	Isotropic Mg ₃ Sb ₂ compound prepared by solid-state reaction and ball milling combined with spark plasma sintering. <i>Journal of Materials Science</i> , 2018, 53, 8039-8048.	3.7	9
50	Effect of plastic anisotropy of ZK60 magnesium alloy sheet on its forming characteristics during deep drawing process. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 88, 1629-1637.	3.0	8
51	The dynamic properties of B ₄ C/6061Al neutron absorber composites fabricated by power metallurgy. <i>Materials Science and Technology</i> , 2018, 34, 504-512.	1.6	8
52	Microstructure and Mechanical Properties of B ₄ C/6061Al Nanocomposites Fabricated by Advanced Powder Metallurgy. <i>Advanced Engineering Materials</i> , 2018, 20, 1701133.	3.5	8
53	Fabrication of high strength and plasticity of Zn-Mg composites with core-shell structure by spark plasma sintering. <i>Materials Letters</i> , 2020, 279, 128525.	2.6	8
54	Microstructure and Mechanical Properties of AZ31B Magnesium Alloy via Ultrasonic Surface Rolling Process. <i>Advanced Engineering Materials</i> , 2021, 23, 2100076.	3.5	8

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55	Laser cladding Al-Si/Al ₂ O ₃ -TiO ₂ composite coatings on AZ31B magnesium alloy. Journal Wuhan University of Technology, Materials Science Edition, 2012, 27, 1042-1047.	1.0	7
56	Dramatically enhanced impact toughness in welded ultra-ferritic stainless steel by additional nitrogen gas in Ar-based shielding gas. Journal of Materials Research, 2016, 31, 3610-3618.	2.6	7
57	Microstructure and Corrosion Resistance of Laser-Welded Crossed Nitinol Wires. Materials, 2018, 11, 842.	2.9	7
58	Assembly properties of the bacterial tubulin homolog FtsZ from the cyanobacterium Synechocystis sp. PCC 6803. Journal of Biological Chemistry, 2019, 294, 16309-16319.	3.4	7
59	Microstructure and thermal shock behavior of sol-gel introduced ZrB ₂ reinforced SiBCN matrix. Journal of Sol-Gel Science and Technology, 2018, 86, 365-373.	2.4	6
60	Thermoelectric Properties and Transport Mechanism of Pure and Bi-Doped SiNWs-Mg ₂ Si. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700742.	1.8	6
61	Hot Deformation and Processing Maps of B ₄ C/6061Al Nanocomposites Fabricated by Spark Plasma Sintering. Journal of Materials Engineering and Performance, 2019, 28, 6287-6297.	2.5	6
62	Bright Alloy CdZnSe/ZnSe QDs with Nonquenching Photoluminescence at High Temperature and Their Application to Light-Emitting Diodes. Journal of Nanomaterials, 2019, 2019, 1-8.	2.7	6
63	Tak1 in the astrocytes of mediobasal hypothalamus regulates anxiety-like behavior in mice. Glia, 2021, 69, 609-618.	4.9	6
64	One-step synthesis of ultra-high aspect ratio silver nanowires for high-performance flexible transparent conductive films. Journal of Materials Science: Materials in Electronics, 2021, 32, 15622-15632.	2.2	6
65	An experimental study of nitrogen gas influence on the 443 ferritic stainless steel joints by double-shielded welding. International Journal of Advanced Manufacturing Technology, 2016, 87, 3315-3323.	3.0	5
66	A Method for Identifying the Mood States of Social Network Users Based on Cyber Psychometrics. Future Internet, 2017, 9, 22.	3.8	5
67	Comparison of the Microstructure of M2 Steel Fabricated by Continuous Casting and with a Sand Mould. Metals, 2019, 9, 560.	2.3	5
68	Effect of Spinning Deformation on Microstructure Evolution and Mechanical Properties of Al-Zn-Mg-Cu (7075) Alloy. Journal of Materials Engineering and Performance, 2022, 31, 6473-6486.	2.5	5
69	Target-dependent dual strand extension recycling amplifications for non-label and ultrasensitive sensing of serum microRNA. Talanta, 2020, 210, 120651.	5.5	4
70	Dataset of full-length transcriptome assembly and annotation of apocynum venetum using pacbio sequel II. Data in Brief, 2020, 33, 106494.	1.0	4
71	Assembly properties of bacterial tubulin homolog FtsZ regulated by the positive regulator protein ZipA and ZapA from Pseudomonas aeruginosa. Scientific Reports, 2020, 10, 21369.	3.3	4
72	Mechanical Characterization of The Plastic Deformation Behavior of AZ31 Magnesium Alloy Processed Through Spinning Using Nanoindentation. Transactions of the Indian Institute of Metals, 2021, 74, 1349-1359.	1.5	4

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73	Controlled Synthesis of Mesoporous <i>g-C₃N₄</i> -Conjugated Polymer Nanoarchitectures as Anodes for Lithium-Ion Batteries. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100897.	3.9	4
74	As-extruded AZ31B magnesium alloy fatigue crack propagation behavior. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011, 26, 1114-1120.	1.0	3
75	Characterization of the complete chloroplast genome sequence of <i>Pinus pumila</i> (Pinaceae). <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 290-291.	0.4	3
76	Synergetic effect of interface barrier and doping on the thermoelectric transport properties of tellurium. <i>Journal of Materials Science</i> , 2020, 55, 8642-8650.	3.7	3
77	Interfacially responsive electron transfer and matter conversion by polydopamine-mediated nanoplatfoms for advancing disease theranostics. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2022, 14, e1805.	6.1	3
78	SURFACE-MODIFIED SEPIOLITE NANOFIBERS AS A NOVEL LUBRICANT ADDITIVE. <i>Clays and Clay Minerals</i> , 2019, 67, 283-290.	1.3	2
79	Rapid nanowelding of silver nanowires by focused-light-scanning for high-performance flexible transparent electrodes. <i>Nanotechnology</i> , 2021, 32, 505208.	2.6	2
80	Interfacial bonding characteristics and mechanical properties of H68/AZ31B clad plate. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2022, 29, 1237-1248.	4.9	2
81	Elevated electrochemical corrosion behavior of a B ₄ C/Al neutron absorber by shot peening modification. <i>Science and Engineering of Composite Materials</i> , 2017, 24, 547-556.	1.4	1
82	An accurate parameter extraction method for small signal model of CNFET. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2021, 34, e2896.	1.9	0